

**AP-M Series  
HIGH-POWER INTERCOM**

**AP-1M**  
 Models: **AP-5M**  
**AP-10M** Type A: 230V AC version

**OPERATION MANUAL**
**PRECAUTIONS on AP-M SYSTEM**
**⚠ Precautions on Safety**

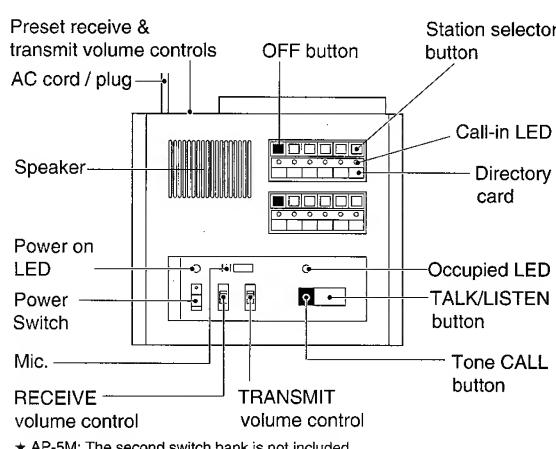
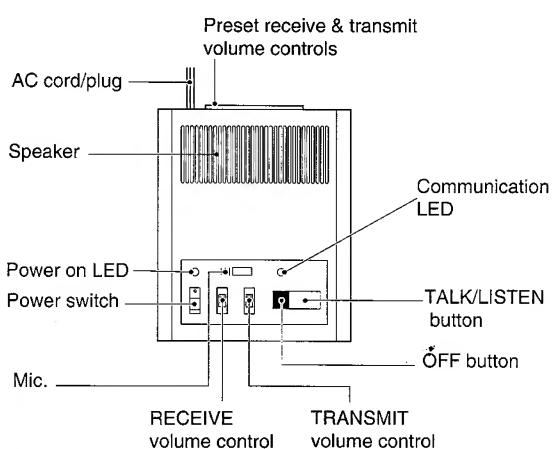
1. The **AP-M** equipment is an electrical device, whose wiring must be made by qualified personnel.
2. Do not change or modify **AP-M** equipment.
3. Keep **AP-M** station away from water or any other liquid. It can cause fire or electric shock.
4. Do not open **AP-M** station. High voltage is present inside.

**General Precautions**

1. Do not change or move the **AP-M** masters. If dropped or struck, it can cause damage.
2. Do not use **AP-M** components in any of the following locations, as it may cause the system to malfunction;
  - High or extreme cold temperature areas: under direct sunlight, near equipment that varies in temperature, in front of air-conditioner, inside a refrigerated area, etc.
  - Places subject to moisture or humidity extremes.
  - Places subject to environmental conditions, such as oil, dust, chemicals, salt, etc.
  - Places subject to constant vibration or impact.

**Precautions on Usage**

1. **AP-M** system is not operable during a power failure.
2. In areas where broadcasting station antennas are close by, intercom system may be affected by radio frequency interference.

**1 NAMES & FEATURES**
**■ AP-5M, AP-10M**

**■ AP-1M**

**■ Features**

- Single or dual master configuration. Provides communication between:
  - Master-to-sub or 8Ω horn speakers, - Master to master,
  - Master to multiple subs(max. 5), - Master to 2-call sub(s), or common sub(s),
- Separate Receive & Transmit volume controls.
- Occupied LED for dual master system.

## 2 OPERATIONS on AP-M

### ■ Placing a call to sub

1. Depress a station selector button. The channel to a sub station is established.
2. Depress black CALL button to call with audio tone.
3. OR Transmit voice depressing TALK button. Release TALK button to receive.
4. Depress OFF button to return to standby mode.

### ■ Receiving a call from sub

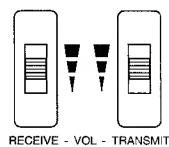
1. Sub calls in with audio tone and an LED, lit for 15 sec.
2. Depress the lit station selector button.
3. Transmit with TALK button held down. Release TALK button to receive.
4. Depress OFF button to reset.

### ■ Communication between AP-M's

1. The other AP-M calls in with tone or voice.
  2. The responding master simply speaks hands free.
  3. When the initiating master is finished, press OFF button.
- ★ To call AP-M, operate in the same manner as when calling a sub.

### ■ Transmitting Group Call (max. 5 subs)

1. Depress 1 to 5 station selector buttons.
2. Depress TALK button to transmit to all.
3. Depress OFF button(s) to pop up all station selector buttons.



### ■ Adjustments

1. Adjust each RECEIVE & TRANSMIT volume to either position HIGH - MID - LOW as needed.
2. Replace to mid position at end of communication.

### ■ Operations on AP-1M

To call a sub with tone, press both OFF and TALK buttons. Or press TALK button and call by voice. Proceed communications with TALK button. Depress OFF button at end of conversation.

## 3 TECHNICAL PRECAUTIONS

### ■ Power switch

If AP-M is unplugged or its power switch is turned off, it cannot receive sub's call nor transmit a call to subs. However, it can receive the other AP-M's call-in tone and voice.

Acquire substantially enough TRANSMIT and RECEIVE volume levels, adjust PRESET controls on back panel, after setting front switches to mid position.

Clean your AP-M equipment with a soft cloth dampened with neutral household cleanser. Never use any abrasive cleaner or cloth.

### ■ Before asking for repairs

If AP-M system becomes inoperative or malfunctions, DO NOT attempt to open or remove AP-M units. Ask qualified personnel.

## 4 SPECIFICATIONS (AP-M)

- |                         |   |
|-------------------------|---|
| • Power source:         | 110 ~ 125V AC, 127V AC, 220-240V AC, 50/60Hz. (AP-M). 230V AC, 50/60Hz. (AP-M/A)  |
| • Power consumption:    | Max. 45W. 4W standby (AP-M, AP-M/A).  |
| • Communication output: | AP-M to sub 10 watts max. AP-M to AP-M 0.3watts max.<br>Sub to AP-M 0.3watts max.   |
| • Dimensions & weight:  | Desk use; AP-1M; 240H x 196W x 114D (mm). 9-7/16" H x 7-3/4" W x 4-1/2" D.<br>AP-5M, 10M: 253H x 276W x 140D (mm). 10" H x 11" W x 5-1/2" D.<br>AP-1M: 3.2Kg (7.05 lbs.) AP-5M: 4.0Kg (8.82 lbs.) AP-10M: 4.2Kg (9.26 lbs.) approx. |

### WARRANTY

Aiphone warrants its products to be free from defects of material and workmanship under normal use and service for a period of one year after delivery to the ultimate user and will repair free of charge or replace at no charge, should it become defective upon which examination shall disclose to be defective and under warranty. Aiphone reserves unto itself the sole right to make the final decision whether there is a defect in materials and/or workmanship; and whether or not the product is within the warranty. This warranty shall not apply to any Aiphone product which has been subject to misuse, neglect, accident, or to use in violation of instructions furnished, nor extended to units which have been repaired or altered outside of the factory. This warranty does not cover batteries or damage caused by batteries used in connection with the product. This warranty covers bench repairs only, and any repairs must be made at the shop or place designated in writing by Aiphone. Aiphone will not be responsible for any costs incurred involving on site service calls.

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